



TECHNICAL SERVICE BULLETIN

Charging System Fault Message In The Instrument Panel Cluster - Mud Accumulation In Generator

22-2392

01 March
2023

Model:

Ford 2021-2022 Bronco

Issue: Some 2021-2022 Bronco vehicles may exhibit a charging system fault message displayed in the instrument panel cluster (IPC) after water fording in muddy water. This may be the result of mud accumulation inside the generator causing it to fail. To resolve the concern, follow the Service Procedure to replace the generator and install a revised generator shield onto the vehicle.

Action: Follow the Service Procedure steps to correct the condition if the vehicle meets all of the following criteria:

- 2021-2022 Bronco (all variants)
- Charging system malfunction due to generator failure
- Excessive mud accumulation in the generator

Parts

2.3L Engine

Service Part Number	Quantity	Description
MB3Z-10317-K	1	Generator Shield
MB3Z-10346-A	1	Generator - Option A
MB3Z-10346-H	1	Generator - Option B

Parts

2.7L And 3.0L Engines

Service Part Number	Quantity	Description
MB3Z-10317-J	1	Generator Shield
MB3Z-8620-B	1	Accessory Belt
MB3Z-10346-B	1	Generator - Option A
MB3Z-10346-J	1	Generator - Option B

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SSP/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2021-2022 Bronco 2.3L: Replace The Generator, Includes Time To Remove The Protective Boot Following The Service Procedure (Do Not Use With Any Other Labor Operations)	222392A	1.5 Hrs.
2021-2022 Bronco 2.7L: Replace The Generator Following The Service Procedure (Do Not Use With Any Other Labor Operations)	222392B	1.0 Hrs.
2022 Bronco 3.0L: Replace The Generator Following The Service Procedure (Do Not Use With Any Other Labor Operations)	222392C	1.3 Hrs.

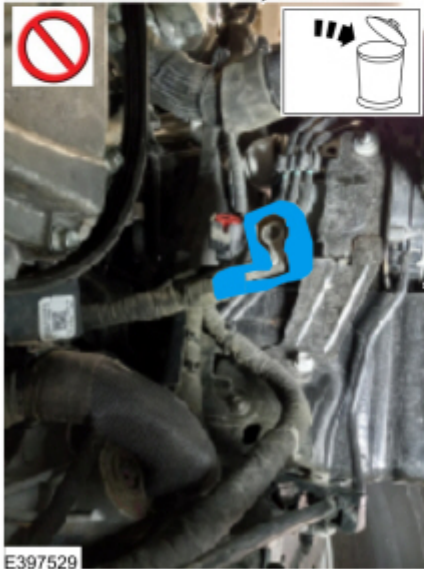
Repair/Claim Coding

Causal Part:	10317
Condition Code:	46

Service Procedure

1. Replace the generator, refer to Workshop Manual (WSM), Section 414-02. During replacement, replace the generator shield with the new version.
2. For 2.3L only, during generator replacement, while the B+ connector is disconnected, cut off and discard the rubber protective boot which covers the B+ wire connector. (Figure 1)

Figure 1



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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.